



IoT Specialist C.A.

Career Community: Computer Technology and Networking

Curriculum Code: 1713

~~Effective: Fall 2022 – Summer 2027~~

Discontinued Fall 2023; Last Award Summer 2026

Description

The IoT Specialist curriculum prepares students for a career in an expanding field caused by the Internet of Things. IoT is the integrations of sensors, switches, actuators, voice, video, image, and data into both local and global communication networks and can be found in both the enterprise, manufacturing and residential markets. This curriculum provides extensive hands-on training and prepares students for the workforce and for professional certification exams from Cisco, CompTIA and others.

Milestone

Completion of CITN 115 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in this course is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in this course.

Contact Information

Contact the Computer Information Technologies Program at the West Campus Building, Room M103, telephone number 517-267-6406 or Student Services West Campus, West Campus Building, Room M016, telephone number 517-267-5452.

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
CITN 115	IoT & Automation Fundamentals	5 / 6
CITN 220	Introduction to Networks	3 / 3
CITN 222	Wireless Networking & Security	3 / 3
CITN 225	Switch Route Wireless Essentials	3 / 3
CITN 280	IT Security Foundations	3 / 3
CITP 110	Intro to Programming-Python	4 / 4
CITS 125	Computer Support: A+ Cert Prep	6 / 6
CITS 170	Basic Electronic for PC Repair	6 / 7

Minimum Total Credit Hours

33 credits / 35 billing hours

Recommended Course Sequence

Semester I (Fall)
CITP 110
CITS 125
CITS 170

Semester II (Spring)
CITN 115 – Milestone course
CITN 220 (First 8 weeks)
CITN 225 (Second 8 weeks)

Semester III (Fall)
CITN 222
CITN 280

LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.